Amendments to the Claims

1. (Current amended) A decarbamylase ~~Decarbamylase~~ crystal comprising a space group $P2_12_12_1$ in the orthorhombic system and an amino acid sequence set forth in SEQ ID NO: 2, wherein the crystal has a unit cell in the form of a rectangular parallelepiped and has lattice constants: a=81.5-82.5 Å, b=133.0-135.0 Å, and c=119.5-121.5 Å.

2-4. (Canceled)

5. (Currently amended) The decarbamylase ~~Decarbamylase~~ crystal according to claim 1, wherein the crystal contains at least one or more heavy metal atoms per decarbamylase molecule.

6. (Currently amended) The decarbamylase ~~Decarbamylase~~ crystal according to claim 5, wherein the heavy metal atom is any of mercury, gold, platinum, lead, iridium, osmium, and uranium.

7. (Currently amended) A frozen ~~Frozen~~ decarbamylase crystal, prepared by freezing the decarbamylase crystal according to claim 1 in liquid nitrogen.

8-35. (Canceled)

36. (Currently amended) A decarbamylase ~~Decarbamylase~~ crystal comprising a space group $P2_12_12_1$ in the orthorhombic system and an amino acid sequence set forth in SEQ ID NO: 2, wherein the crystal is prepared by providing a precipitant solution containing polyethylene glycol (PEG) or methoxypolyethylene glycol (PEGMME) having a concentration of 5-30 wt%, and a buffer agent having a concentration such that pH 6.0-9.0 is provided; mixing a decarbamylase solution with the precipitant solution; and allowing the resultant mixture solution to stand for a predetermined period of time until the decarbamylase crystal is grown in the mixture solution to a predetermined size or more[[.]] and;

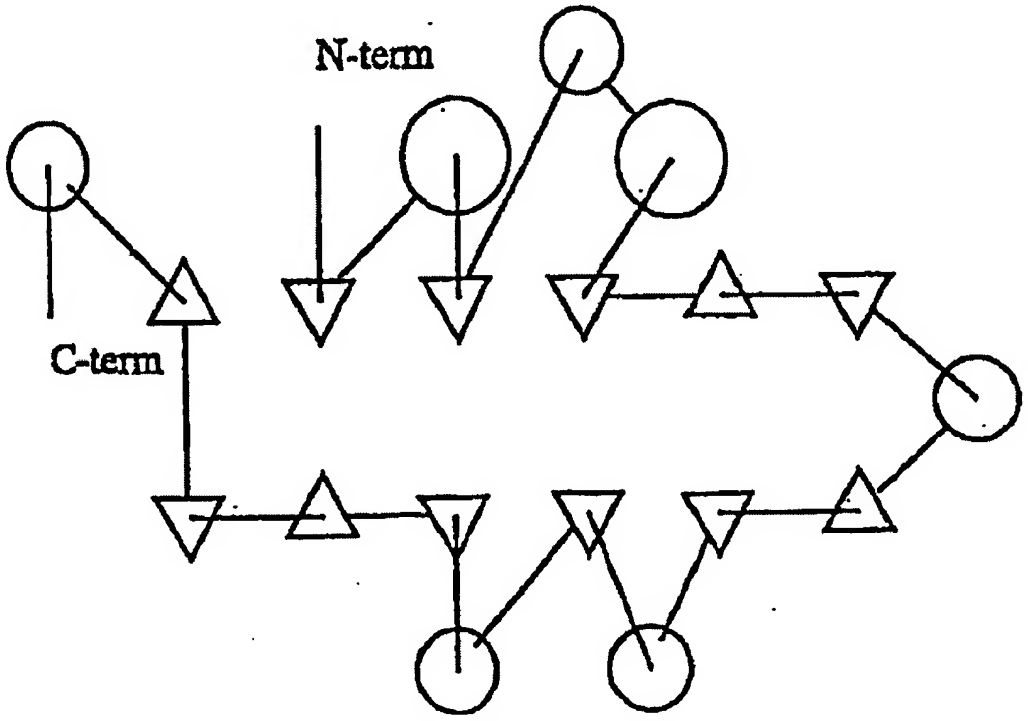
wherein the crystal has a unit cell in the form of a rectangular parallelepiped and has lattice constants: a = 81.5–82.5 Å, b = 133.0–135.0 Å, and c = 119.5–121.5 Å.

37. (Currently amended) The crystal ~~Crystal~~ according to claim 36, wherein the crystal contains at least one or more heavy metal atoms per decarbamylase molecule.

38. (Currently amended) The crystal ~~Crystal~~ according to claim 37, wherein the heavy metal atom is any of mercury, gold, platinum, lead, iridium, osmium, and uranium.

39. (Currently amended) A frozen ~~Frozen~~ crystal, prepared by freezing decarbamylase crystal according to any one of claims 36-38 in liquid nitrogen.

40. (New) A decarbamylase crystal comprising a space group $P2_12_12_1$ in the orthorhombic system, an amino acid sequence set forth in SEQ ID NO: 2, and a decarbamylase, wherein the decarbamylase has a four-layer sandwich structure containing a secondary structure containing four α helices and twelve ß sheets, and wherein the decarbamylase is characterized by a stereostructure having protein stereostructure topology represented in the following figure:



and wherein the crystal has a unit cell in the form of a rectangular parallelepiped and has lattice constants: a = 81.5–82.5 Å, b = 133.0–135.0 Å, and c = 119.5–121.5 Å.

41. (New) The crystal according to claim 40, wherein the crystal contains at least one or more heavy metal atoms per decarbamylase molecule.

42. (New) The crystal according to claim 41, wherein the heavy metal atom is any of mercury, gold, platinum, lead, iridium, osmium, and uranium.

43. (New) A frozen crystal, prepared by freezing decarbamylase crystal according to any one of claims 40-42 in liquid nitrogen.